



## Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

**“जानने का अधिकार, जीने का अधिकार”**

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

**“पुराने को छोड़ नये के तरफ”**

Jawaharlal Nehru

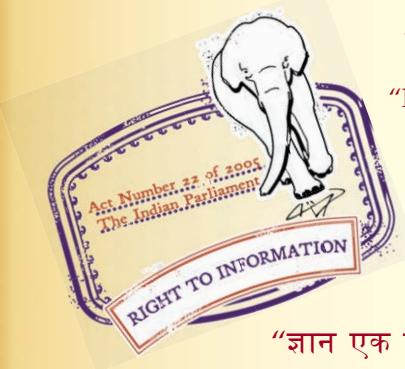
“Step Out From the Old to the New”

IS 12420-7 (1988): Circular Audio Connectors, Part 7:  
Socket, Ten Contacts, Nonrigid Type 12420 IS-06 [LITD 3:  
Electromechanical COmponents and Mechanical Structures for  
Electronic Equipment]

**“ज्ञान से एक नये भारत का निर्माण”**

SatyanaRayan Gangaram Pitroda

Invent a New India Using Knowledge



**“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”**

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





BLANK PAGE



PROTECTED BY COPYRIGHT

*Indian Standard*

# SPECIFICATION FOR CIRCULAR AUDIO CONNECTORS

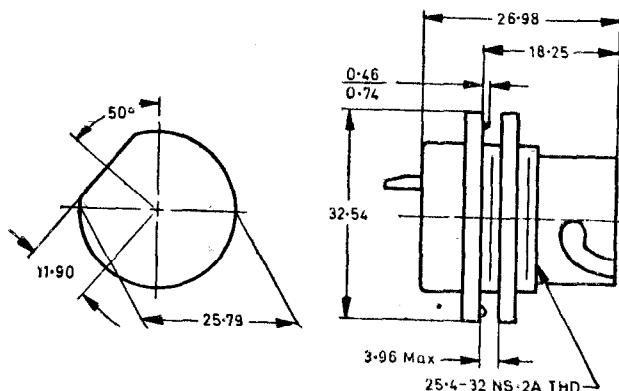
## PART 7 SOCKET, TEN CONTACTS, NONRIGID TYPE 12420 IS-06

**0.1 General** — This standard shall be read in conjunction with IS : 12420 (Part 1) 'Specification for circular audio connectors: Part 1 Test schedule and requirements'.

**1. Type Designation** — The type designation [see 4.1 of IS : 12420 (Part 1)], type of contact and typical mating connector for this type of connector are given below:

Type No.	Type of Contact	Typical Mating Connector
12420 IS-06	Solder	12420 IS-04 and 12420 IS-07

**2. Outline and Dimensions** — The outline and dimensions shall be according to Fig. 1.



All dimensions in millimetres.

FIG. 1 OUTLINE AND DIMENSIONS

**3. Material, Finish and Life** — The material, finish and life requirement shall be as given below:

a) *Material*

- Outer shell : Diecast alloy
- Dielectric : DAP/rubber
- Contact : Be-Cu, gold plated
- Mounting parts : Brass

b) *Finish* — All shell and mounting parts to be finished to cadmium plate with olive drab chromatic finish.

c) *Mechanical* — 1500 mating cycles at a rate of 30 cycles/minute.

**4. Climatic Category**

- a) Temperature severity : - 55 to + 85°C
- b) Damp heat severity : 56 days
- c) Air pressure severity : 8.5 kPa
- d) Acceleration (steady state) : 170 m/s<sup>2</sup>
- e) Vibration : 10 to 55 Hz
- f) Shock : 500 m/s<sup>2</sup>

**5. Electrical Characteristics**

- a) Current rating : 500 mA, *Max*
- b) Voltage rating : 60 mV, *Min*  
: 50 V, *Max*
- c) Contact resistance : 15 milliohms

**6. Tests — See 8 of IS : 12420 ( Part 1 ).**

**7. Marking — See 5 of IS : 12420 ( Part 1 ).**

**EXPLANATORY NOTE**

This standard is based on JSS 50831 (Nov 1972) 'Detail specification for connectors, circular, audio'. The types of connectors covered in this standard are equivalent to pattern JSS 50831/06-01.